

ABSTRACT

5 An apparatus and method for controlling the intake
air amount in an internal combustion engine provided with
a throttle valve and an intake air amount changing means
linked with the same, the intake air amount control
apparatus and method of an internal combustion engine
finding a target intake air amount m_{cta} based on an
accelerator opening degree and engine speed (step 101),
10 determining a target setting Cv_{ta} for said intake air
amount changing means based on at least said target
intake air amount (step 103), and finding a target
throttle opening degree θ_{tta} based on model equations
creating a model of an engine intake system and
15 expressing the air passing through the engine intake
system from said target intake air amount m_{cta} and the
target setting Cv_{ta} (step 107).